

Contents

1. artefacts
2. Eddington et al - superstring
3. necessary conditions for complexity
4. some constants have random components
5. Wormhole interactions

We need to use most mobile value
consistent with the antitope constraint.
not the most probable value of π
consists in an absolute sense.

Categories of thought

random sequences are incompressible.
There is a limit for compression
(Solvability algorithms for sequences of
observations).
Human minds look for compressions
that might not be there.

↳ Sequences of culturally-conditioned
paradigms - diagram \rightarrow clock-work \rightarrow
nesting \rightarrow Sprawley \rightarrow finite discrete
computer - God is a computer in the sky.

Darwin: Theory of Everything

History: Mythological accounts

Mythical for a TDE - scientific account.

1. Law
2. Natural Selection
3. Forces, particles
4. Constants
5. Broken symmetries
6. Selected effects
7. Organizing principles
8. Categories of thought

Sixty Principles - Conservation Laws.

Initial Conditions

1. Provenance distinct from laws.
2. Adiabatic - Sessel
3. Causal, logical, initial conditions
4. no unidirectional evolution
5. Nature of time

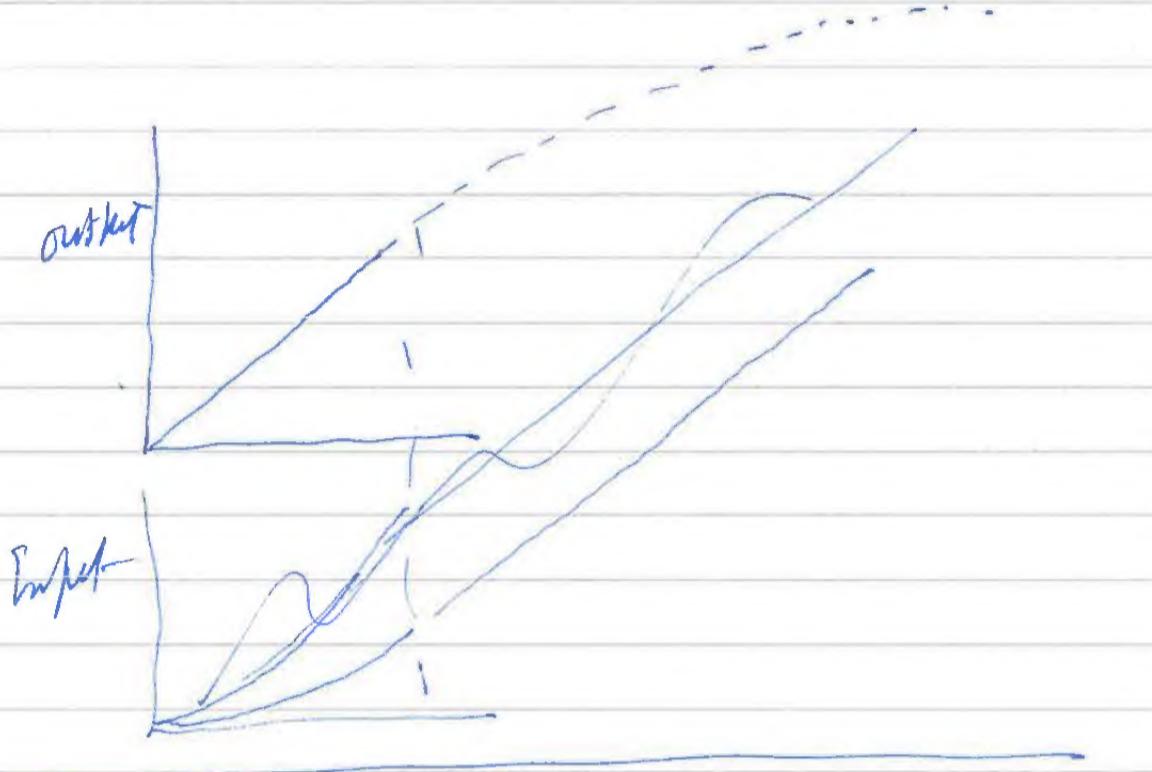
The limits of Science

1. standard model of science - learn truth about its normative world, world of realist global appearance.
2. Criticism ↘ positivism - formalization
Relativism
3. Realism → Pragmatism (C.S. Pierce)
Putnam external realism
phenomenal v. momental reality, how?
What would a complete science look like?
4. - reduction
deductive supplementation
Unification
description versus explanation
- laws of Nature — humans
— resistance
— role of causation
Scientific vs. living science
But: The
Confrontation gap -
antimony of science
5. Role of (a) indeterminism
(b) boundary / initial conditions
6. Possibility of a natural physics?
7. objectivity / subjectivity
8. Role of observer
9. Anthropic explanation
what does science look out? To me
from somewhere. Man in Nature, holism
10. Existentialism — Absurd, Act' at
choosing
11. Insolubility: des Bois-Ruyard v.
Gross & Starck
12. Fiction propagates
13. Progress — cumulative v. non-cumulative

14. Magnetic Limitations

- Logarithmic Accelerators.
Multi-turn resonances

15. Note $R_i = P \cap (\beta \rightarrow \alpha) \approx P \cap (\beta^2 \alpha)$
where $\alpha + \beta^2 \approx P \cap (2\beta \alpha)$



The Word and its Senses.

